

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		"20030048619" and non\$	US-PGPUB; USPAT	OR	ON	2007/05/01 08:56
		@pd<"20031208" and nano\$ and "neural network"	US-PGPUB; USPAT	OR	ON	2006/11/17 16:45
		@pd<"20031208" and (nano\$ with increase\$)	US-PGPUB; USPAT	OR	ON	2006/11/16 09:14
L1	3	"20040193558" and ampli\$	US-PGPUB; USPAT	OR	ON	2007/05/01 08:46
L2	1	"20040193558" and (ampli\$ with neuron)	US-PGPUB; USPAT	OR	ON	2007/05/01 08:56
L3	0	"20030048619" and remove\$	US-PGPUB; USPAT	OR	ON	2007/05/01 08:56
L4	1	"20030048619" and remain	US-PGPUB; USPAT	OR	ON	2007/05/01 09:47
L5	0	"20030048619" and weak\$	US-PGPUB; USPAT	OR	ON	2007/05/01 09:47
L6	0	"20030048619" and decrease\$	US-PGPUB; USPAT	OR	ON	2007/05/01 09:47
L7	1	"20030048619" and increase\$	US-PGPUB; USPAT	OR	ON	2007/05/01 09:47
L8	1	"20030048619" and connection	US-PGPUB; USPAT	OR	ON	2007/05/01 09:47
L9	79	706/25.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:49
L10	21	706/16.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:50
L11	1	257/208.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:50
L12	2	716/1.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:51

## EAST Search History

L13	1	"4041953".pn.	US-PGPUB; USPAT	OR	ON	2007/05/01 10:51
L14	0	607/12.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:51
L15	0	607/12.ccls. and @pd<"20031208" and ( "neural network")	US-PGPUB; USPAT	OR	ON	2007/05/01 10:52
L16	33	607/12.ccls. and @pd<"20031208"	US-PGPUB; USPAT	OR	ON	2007/05/01 10:52
L17	824	607/9.ccls. and @pd<"20031208"	US-PGPUB; USPAT	OR	ON	2007/05/01 10:52
L18	12	607/9.ccls. and @pd<"20031208" and "neural network"	US-PGPUB; USPAT	OR	ON	2007/05/01 10:52
L19	144	l18 or l16 or l13 or l12 or l11 or l10 or l9	US-PGPUB; USPAT	OR	ON	2007/05/01 10:53
S2	1	"5315162".pn.	US-PGPUB; USPAT	OR	OFF	2006/11/16 07:27
S3	1	"20040193558" and nanconnection	US-PGPUB; USPAT	OR	ON	2007/05/01 08:46
S4	0	"5315162".pn. and adaptive	US-PGPUB; USPAT	OR	OFF	2006/11/16 15:39
S5	1	"20040193558" and adaptive	US-PGPUB; USPAT	OR	OFF	2006/11/16 15:56
S6	0	"20040193558" and ino	US-PGPUB; USPAT	OR	OFF	2006/11/16 07:55
S7	1	"20040193558" and ion\$	US-PGPUB; USPAT	OR	OFF	2006/11/16 08:53
S8	1	"5315162".pn. and ion\$	US-PGPUB; USPAT	OR	OFF	2006/11/16 07:55
S9	1	"20040193558" and "transfers signals"	US-PGPUB; USPAT	OR	OFF	2006/11/16 09:12
S10	465	@pd<"20031208" and (nanoparticle with increase\$)	US-PGPUB; USPAT	OR	ON	2006/11/16 09:14

## EAST Search History

S11	12	@pd<"20031208" and ((nanoparticle with increase\$) with electric\$)	US-PGPUB; USPAT	OR	ON	2006/11/17 16:44
S12	58	@pd<"20031208" and ((nanoparticle with increase\$) same electric\$) not S11	US-PGPUB; USPAT	OR	ON	2006/11/16 09:18
S13	70	@pd<"20031208" and ((nanoparticle with increase\$) same electric\$)	US-PGPUB; USPAT	OR	ON	2006/11/16 09:18
S14	76	@pd<"20031208" and (nanoparticle with increase\$)and (nanoparticle with electric\$) not S13	US-PGPUB; USPAT	OR	ON	2006/11/16 13:51
S15	0	@pd<"20031208" and ((nanoparticle with increase\$) same (nanoparticle with electric\$)) not S13	US-PGPUB; USPAT	OR	ON	2006/11/16 09:29
S16	0	@pd<"20031208" and ((nanoparticle with strength\$) same (nanoparticle with electric\$)) not S13	US-PGPUB; USPAT	OR	ON	2006/11/16 09:30
S17	160	@pd<"20031208" and nanoparticle and (electrical with (increas\$ or strenght\$))	US-PGPUB; USPAT	OR	ON	2006/11/16 09:36
S18	19	@pd<"20031208" and (nanoparticle same (electrical with (increas\$ or strenght\$)))	US-PGPUB; USPAT	OR	ON	2006/11/16 09:55
S19	1	"20030048619" and varying	US-PGPUB; USPAT	OR	ON	2006/11/16 10:53
S20	0	"20030048619" and "refractory pulse"	US-PGPUB; USPAT	OR	ON	2006/11/16 10:53
S21	0	"20030048619" and "refractory"	US-PGPUB; USPAT	OR	ON	2006/11/16 11:03
S22	1	"20040193558" and "refractory pulse"	US-PGPUB; USPAT	OR	OFF	2006/11/16 10:56
S23	0	"5315162".pn. and learn\$	US-PGPUB; USPAT	OR	OFF	2006/11/16 11:03
S24	0	"20030048619" and learn	US-PGPUB; USPAT	OR	ON	2006/11/16 11:03
S25	1	"20030048619" and learn\$	US-PGPUB; USPAT	OR	ON	2006/11/16 11:07
S26	19	"refractory pulse"	US-PGPUB; USPAT	OR	ON	2006/11/16 11:08

## EAST Search History

S27	0	@pd<"20031208" and (physical with neural) and "neural network" and (physical with network)	US-PGPUB; USPAT	OR	ON	2006/11/16 13:52
S28	457	@pd<"20031208" and (physical with neural) and "neural network" and (physical with network)	US-PGPUB; USPAT	OR	ON	2006/11/16 13:52
S29	283	@pd<"20031208" and (physical with neural) and "neural network" and (physical with network) and training	US-PGPUB; USPAT	OR	ON	2006/11/16 13:53
S30	283	@pd<"20031208" and ((physical with neural) with "neural network") and (physical with network) and training	US-PGPUB; USPAT	OR	ON	2006/11/16 13:53
S31	283	@pd<"20031208" and (((physical with neural) with "neural network") with (physical with network)) and training	US-PGPUB; USPAT	OR	ON	2006/11/16 14:23
S32	40	@pd<"20031208" and (((physical with neural) with "neural network") with (physical with network)) and training and ground\$	US-PGPUB; USPAT	OR	ON	2006/11/16 14:33
S33	1	"20030177450"	US-PGPUB; USPAT	OR	ON	2006/11/16 14:37
S34	0	"20030177450" and refractory	US-PGPUB; USPAT	OR	ON	2006/11/16 14:37
S35	1	"20030177450" and pulse	US-PGPUB; USPAT	OR	ON	2006/11/16 14:48
S36	1	"20030177450" and (ground\$ or lower\$)	US-PGPUB; USPAT	OR	ON	2006/11/16 14:53
S37	0	"20030177450" and integrator	US-PGPUB; USPAT	OR	ON	2006/11/16 14:55
S38	1	"20040193558" and integrator	US-PGPUB; USPAT	OR	OFF	2006/11/16 14:53
S39	1	"20030177450" and amplifier	US-PGPUB; USPAT	OR	ON	2006/11/16 15:18
S40	1	"20030177450" and train\$	US-PGPUB; USPAT	OR	ON	2006/11/16 16:33
S41	1	"5315162".pn. and weight	US-PGPUB; USPAT	OR	OFF	2006/11/16 15:39
S42	1	"20040193558" and "positive factor"	US-PGPUB; USPAT	OR	OFF	2006/11/16 16:33

## EAST Search History

S43	1	"20040193558" and magnitude	US-PGPUB; USPAT	OR	OFF	2006/11/16 16:33
S44	1	"20030177450" and magnitude	US-PGPUB; USPAT	OR	ON	2006/11/17 07:52
S45	1	"20030177450" and increasing	US-PGPUB; USPAT	OR	ON	2006/11/17 07:54
S46	1	"20030177450" and fir\$	US-PGPUB; USPAT	OR	ON	2006/11/17 07:54
S47	1	"20030177450" and firing	US-PGPUB; USPAT	OR	ON	2006/11/17 07:56
S48	0	"20030177450" and activity	US-PGPUB; USPAT	OR	ON	2006/11/17 08:13
S49	0	"20030177450" and weight	US-PGPUB; USPAT	OR	ON	2006/11/17 08:13
S50	1	"20030177450" and weigh\$	US-PGPUB; USPAT	OR	ON	2006/11/17 08:13
S51	1	"20040193558" and integrator	US-PGPUB; USPAT	OR	OFF	2006/11/17 12:32
S52	1	"20040193558" and integrator	US-PGPUB; USPAT	OR	OFF	2006/11/17 16:15
S53	1	"20040193558" and -vcc	US-PGPUB; USPAT	OR	OFF	2006/11/17 16:16
S54	0	"20040193558" and "701"	US-PGPUB; USPAT	OR	OFF	2006/11/17 16:16
S55	32	@pd<"20031208" and (nanoparticle or nanoconnection or nanoconductor) and "neural network"	US-PGPUB; USPAT	OR	ON	2006/11/17 16:46
S56	195141	@pd<"20031208" and dielectric	US-PGPUB; USPAT	OR	ON	2006/11/17 16:46
S57	195141	@pd<"20031208" and dielectric	US-PGPUB; USPAT	OR	ON	2006/11/17 16:47
S58	6630	@pd<"20031208" and (dielectric with solution)	US-PGPUB; USPAT	OR	ON	2006/11/17 16:47

## EAST Search History

S59	3000	@pd<"20031208" and (dielectric with solution) and (increasing or strengthen\$)	US-PGPUB; USPAT	OR	ON	2006/11/17 16:49
S60	445	@pd<"20031208" and (dielectric with solution) and (increasing or strengthen\$) and alignment	US-PGPUB; USPAT	OR	ON	2006/11/17 16:49
S61	81	@pd<"20031208" and (dielectric with solution) and (increasing or strengthen\$) and alignment and threshold	US-PGPUB; USPAT	OR	ON	2006/11/17 16:50
S62	77	@pd<"20031208" and (physical with "neural network") and resistor	US-PGPUB; USPAT	OR	ON	2006/11/17 16:50
S63	89	@pd<"20031208" and (physical with "neural network") and summation	US-PGPUB; USPAT	OR	ON	2006/11/17 16:52
S64	440	@pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:52
S65	1354	ar3	US-PGPUB; USPAT	OR	ON	2006/11/17 16:52
S66	216	@pd<"20031208" and (physical near3 "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:58
S67	0	706/25.ccls and @pd<"20031208" and (physical near3 "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:58
S68	0	706/25.ccls and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:58
S69	79	706/25.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:58
S70	21	706/16.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:59
S71	1	257/208.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:59
S72	2	716/1.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:59
S73	0	716/19.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:59
S74	8	702/19.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:59

## EAST Search History

S75	3	702/6.ccls. and @pd<"20031208" and (physical with "neural network")	US-PGPUB; USPAT	OR	ON	2006/11/17 16:59
S76	110	S75 or S74 or S72 or S71 or S70 or S69	US-PGPUB; USPAT	OR	ON	2006/11/17 17:00
S77	1	"20040193558" and ground	US-PGPUB; USPAT	OR	OFF	2006/11/20 09:31
S78	1	"20040193558" and vcc	US-PGPUB; USPAT	OR	OFF	2007/04/30 10:27
S79	1	"20040193558" and integrator	US-PGPUB; USPAT	OR	OFF	2006/11/20 09:33
S80	1	"20040193558" and summation	US-PGPUB; USPAT	OR	OFF	2006/11/20 09:37
S81	1	"20040193558" and comparison	US-PGPUB; USPAT	OR	OFF	2006/11/20 09:37
S82	3	"20040193558"	US-PGPUB; USPAT	OR	OFF	2007/04/30 10:26
S83	1	"20040193558" and refractory	US-PGPUB; USPAT	OR	OFF	2007/04/30 13:43
S84	3	"20040193558" and electro\$	US-PGPUB; USPAT	OR	OFF	2007/04/30 11:01
S85	0	"20040193558" and electromechanical	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:39
S86	1	"20040193558" and summing	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:42
S87	3	"20040193558" and threshold	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:44
S88	1	"20040193558" and "558"	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:45
S89	1	"20040193558" and "556"	US-PGPUB; USPAT	OR	OFF	2007/04/30 12:45
S90	5	"refractory pulse generator"	US-PGPUB; USPAT	OR	OFF	2007/04/30 13:43

## EAST Search History

S91	5	("refractory pulse" adj generator)	US-PGPUB; USPAT	OR	OFF	2007/04/30 13:51
S92	1	"4041953".pn. and feedback	US-PGPUB; USPAT	OR	OFF	2007/04/30 14:39
S93	1	"5315162".pn. and input	US-PGPUB; USPAT	OR	OFF	2007/04/30 14:41
S94	1	"5315162".pn. and train\$	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:23
S95	1	"20030048619"	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:06
S96	0	"20030048619" and neural	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:06
S97	0	"20030048619" and network	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:06
S98	1	"20030048619" and bio\$	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:07
S99	1	"5315162".pn. and output	US-PGPUB; USPAT	OR	OFF	2007/04/30 15:23